Abstract

Intrusion is a fast growing security threat to the computers which fails the security of the system. The researchers have proposed number of techniques such as firewall, encryption etc. to prevent such penetration and protect the systems. With all these measures also, the intruders managed to penetrate the computers. Intrusion detection systems (IDS) monitor the resources of the computer, detect the malicious/suspicious activity either on a single machine or on the network which is different from the legitimate user activity and send the reports of such activity. The paper proposes to detect anomalous user behavior on a single machine based on the system log files using fuzzy logic and genetic algorithms.

References

- Asmaa Shaker Ashoor and Sharad Gore, "Intrusion Detection System: Case study," in International Conference on Advanced Materials Engineering, vol. 15,
Index Terms

Computer Science

Security
Keywords
Intrusion  Signature/Misuse  Anomaly  Fuzzy Logic and Genetic Algorithm